Project Title	Funding	Strategic Plan Objective	Institution
Metabolic biomarkers of autism: Predictive potential and genetic susceptibility	$351,076	Q1.L.A	Arkansas Children's Hospital Research Institute
Baby Siblings Research Consortium	$111,700	Q1.S.B	Autism Speaks (AS)
Novel methods for testing language comprehension in children with ASD	$82,537	Q1.S.B	Boston University
Neurophysiological investigation of language acquisition in infants at risk for ASD	$28,000	Q1.L.A	Boston University
Neurobehavioral research on infants at risk for SLI and autism	$691,847	Q1.L.A	Boston University Medical Campus
Temperament, emotional expression, and emotional self-regulation in relation to later ASD diagnosis	$0	Q1.L.A	Bryn Mawr College
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
Signatures of gene expression in autism spectrum disorders	$75,000	Q1.L.A	Children's Hospital Boston
RNA expression studies in autism spectrum disorders	$250,000	Q1.L.A	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	$378,751	Q1.L.A	Children's Hospital Boston
Social and statistical mechanisms of prelinguistic vocal development	$87,965	Q1.Other	Cornell University
Video game environments for the integrative study of perception, attention and social cognition in autism and autism sibs	$0	Q1.L.B	Cornell University
Eyeblink in children and adolescents with autism spectrum disorders: A pilot study	$192,500	Q1.Other	Drexel University
Intersensory perception of social events: Typical and atypical development	$133,861	Q1.L.C	Florida International University
Social communication phenotype of ASD in the second year	$249,084	Q1.L.C	Florida State University
The development of joint attention after infancy	$303,992	Q1.L.C	Georgia State University
Neural processes of eye gaze perception and its influence on learning in infancy	$54,416	Q1.Other	Hunter College (City University of New York)
Biomarkers and diagnostics for ASD	$149,600	Q1.S.A	Institute of Biotechnology
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	$0	Q1.L.C	Johns Hopkins University
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
Translational developmental neuroscience of autism	$143,617	Q1.L.B	New York University School of Medicine

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How words and sounds influence category formation in infancy	$129,865	Q1.Other	Northwestern University
Prosodic and pragmatic processes in highly verbal children with autism	$149,999	Q1.L.C	President & Fellows of Harvard College
Placental vascular tree as biomarker of autism/ASD risk	$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Oxytocin biology and the social deficits of autism spectrum disorders	$112,500	Q1.L.A	Stanford University
Visual processing and later cognitive effects in infants with fragile X syndrome	$247,125	Q1.Other	University of California, Davis
Cellular structure of the amygdala in autism	$47,606	Q1.L.B	University of California, Davis
Analyses of brain structure and connectivity in young children with autism	$90,000	Q1.L.B	University of California, Davis
Infants at risk of autism: A longitudinal study	$599,598	Q1.L.A	University of California, Davis
ACE Center: The development of the siblings of children with autism: A longitudinal study	$324,955	Q1.L.B	University of California, Los Angeles
Neuroimaging of autism spectrum disorders	$12,157	Q1.L.B	University of California, Los Angeles
INT2-Large: Collaborative research: Developing social robots	$530,000	Q1.Other	University of California, San Diego
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	$275,152	Q1.L.A	University of California, San Diego
ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	$208,661	Q1.L.A	University of California, San Diego
ACE Center: MRI studies of early brain development in autism	$364,247	Q1.L.A	University of California, San Diego
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	$309,000	Q1.L.A	University of California, San Diego
Development of neural pathways in infants at risk for autism spectrum disorders	$325,029	Q1.L.A	University of California, San Diego
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	$361,993	Q1.L.A	University of California, San Diego
Development of neural pathways in infants at risk for autism spectrum disorders (supplement)	$244,282	Q1.L.A	University of California, San Diego
Magnetic source imaging and sensory behavioral characterization in autism	$176,229	Q1.L.B	University of California, San Francisco
Pupil size and circadian salivary variations in autism spectrum disorder	$70,035	Q1.L.A	University of Kansas
INT2-Large: Collaborative research: Developing social robots	$87,500	Q1.Other	University of Miami
Cognitive control and social engagement among younger siblings of children with autism	$0	Q1.L.C	University of Miami
Emotion, communication, & EEG: Development & risk	$295,172	Q1.L.B	University of Miami

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The emergence of emotion regulation in children at-risk for autism spectrum disorder	$49,537	Q1.L.A	University of Miami
Atypical pupillary light reflex in individuals with autism	$0	Q1.Other	University of Missouri
Validation study of atypical dynamic pupillary light reflex as a biomarker for autism	$204,525	Q1.L.A	University of Missouri
Emotion-modulated psychophysiology of autism spectrum disorders	$156,781	Q1.Other	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism	$3,283,233	Q1.L.A	University of North Carolina at Chapel Hill
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	$135,000	Q1.L.A	University of North Carolina at Chapel Hill
Defining high and low risk expression of emotion in infants at risk for autism	$0	Q1.L.A	University of Pittsburgh
Temporal coordination of social communicative behaviors in infant siblings of children with autism	$28,000	Q1.L.A	University of Pittsburgh
Early social and emotional development in toddlers at genetic risk for autism	$373,244	Q1.L.A	University of Pittsburgh
Early identification of autism: A prospective study	$519,453	Q1.L.A	University of Pittsburgh
Observational and electrophysiological assessments of temperament in infants at risk for autism spectrum disorders	$0	Q1.L.A	University of Washington
Neurophysiological indices of risk and outcome in autism	$51,300	Q1.L.A	University of Washington
Social-emotional development of infants at risk for autism spectrum disorders	$604,960	Q1.L.B	University of Washington
ACE Center: Early detection and intervention in infants at risk for autism	$620,446	Q1.L.B	University of Washington
A longitudinal 3-D MRSI study of infants at high risk for autism	$219,046	Q1.L.A	University of Washington
ACE Center: Linguistic and social responses to speech in infants at risk for autism	$304,817	Q1.L.A	University of Washington
Early language development within the autism spectrum (supplement)	$27,942	Q1.L.C	University of Wisconsin - Madison
Early language development within the autism spectrum	$508,490	Q1.L.C	University of Wisconsin - Madison
Early language development within the autism spectrum (supplement)	$33,417	Q1.L.C	University of Wisconsin - Madison
Amygdala structure & biochemistry in adolescents with autism	$40,073	Q1.L.B	University of Wisconsin - Madison
Developmental characteristics of MRI diffusion tensor pathway changes in autism	$252,636	Q1.L.A	Washington University
Misregulation of BDNF in autism spectrum disorders	$75,000	Q1.L.A	Weill Cornell Medical College
Early detection of autism through acoustic analysis of cry	$260,153	Q1.S.B	Women and Infants Hospital of Rhode Island

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ACE Center: Auditory mechanisms of social engagement	$273,542	Q1.Other	Yale University
Connectivity in social brain systems in autism	$255,300	Q1.Other	Yale University
Biomarkers for autism and for gastrointestinal and sleep problems in autism	$0	Q1.L.A	Yale University
Developmental social neuroscience in infants at-risk for autism	$180,659	Q1.L.C	Yale University
Performance indices of social disability in toddlers with autism (supplement)	$121,484	Q1.L.B	Yale University
Development of face processing in infants with autism spectrum disorders	$413,750	Q1.L.B	Yale University
Perceptual factors affecting social attention in autism spectrum disorders	$82,750	Q1.L.B	Yale University
Performance indices of social disability in toddlers with autism	$495,558	Q1.L.B	Yale University
ACE Center: Eye-tracking studies of social engagement	$304,508	Q1.L.B	Yale University
Extraction of functional subnetworks in autism using multimodal MRI	$384,865	Q1.L.B	Yale University
Perception of social and physical contingencies in infants with ASD	$413,750	Q1.L.B	Yale University
ACE Center: Gaze perception abnormalities in infants with ASD	$304,365	Q1.L.A	Yale University
The ontogeny of social visual engagement in infants at risk for autism	$600,325	Q1.L.A	Yale University
Prospective study of infants at high risk for autism	$292,249	Q1.L.A	Yale University
Brain-behavior growth charts of altered social engagement in ASD infants	$125,000	Q1.L.A	Yale University
Model diagnostic lab for infants at risk for autism	$599,992	Q1.L.A	Yale University
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	$439,163	Q1.L.A	Yale University
The development of selective attention in infancy as measured by eye movements	$53,376	Q1.Other	York University